

## TITLE

### METHODS OF MAKING A NEGATIVE HEARING AID MOLD

#### ABSTRACT OF THE DISCLOSURE

5           A negative hearing aid mold (10) is made by first processing auditory canal (21) dimension measurement data representing internal dimensions of an auditory canal (21) to generate outside auditory canal dimension data that represents outside dimensions of the auditory canal (21). An impression (22) of the auditory canal (21) is taken from a wearer. The outside auditory canal dimension data is processed to generate outside mold data. A laser  
10   (26) is used to measure the dimensions of the impression (22). A negative hearing aid mold (10) is created from the outside mold data using a rapid prototyping such as stereo lithography machine (36). The negative hearing aid mold (10) has an inside surface representing the outside dimensions of the auditory canal (21) from the outside mold data. The negative hearing aid mold (10) is suitable for receipt of a soft solid such as silicone. The  
15   negative hearing aid mold is (10) used to make a soft solid hearing aid (16).